

# INDEX TO VOLUME 31

Index of Issues: January, pp. 1-82; February, pp. 83-162; March, pp. 163-252; April, pp. 253-342; May, pp. 343-418; June, pp. 419-502; July, pp. 503-586; August, pp. 587-670; September, pp. 671-754; October, pp. 755-838; November, pp. 839-922; December, pp. 923-1006.

## A

- Abstracts, 77, 157, 248, 336, 413, 497, 580, 665, 750, 833, 917, 991
- Aclacinomycin A, and colorectal carcinoma, 62
- Acquired immune deficiency syndrome. *See* AIDS
- Actinomyocosis, perianal, 311
- Adenocarcinoma
  - of the anal ducts, 268
  - of the appendix
    - 25-year review (current status), 145
    - vermiform, 605
  - of colon and rectum, multiple, incidence and trends, 518
  - with colonic adenoma, 58
  - of rectum
    - local recurrence after resection using EEA<sup>TM</sup> stapler, 945
    - resectable, treated with preoperative irradiation and surgery, 287
    - voiding dysfunction after abdominoperineal resection for, 682
- Adenoma
  - appendix, colonoscopic diagnosis, 398
  - colonic
    - with adenocarcinomas, 58
    - benign, value of tissue mucin changes and CEA content in, 123
    - DNA aneuploidy and risk of colorectal cancer, 423
  - colorectal
    - early lesions at autopsy, 291
    - in a tropical country, 692
  - flat, as precursor to colorectal carcinoma, 236
- Adriamycin, and colorectal carcinoma, 62
- AIDS
  - and anorectal and colonic disease (current status), 971
  - cytomegalovirus ileocolitis with, emergency colectomy for, 755
  - tuberculosis of the rectum in a patient with, 394
  - American Society of Colon and Rectal Surgeons, presidential address, 839
- AMP, cyclic, mucosal changes after total colectomy, 523
- Ampicillin and metronidazole, three-day, *vs.* one-day cefoxitin for elective colorectal surgery, 774
- Analgesia, patient-controlled *vs.* intramuscular, following colon surgery, 83
- Anastomoses
  - colorectal
    - manometric study of anal sphincter after, 119
  - colonic
    - bowel rest and healing (basic research), 886
    - leakages, intraluminal fecal contact and peritonitis in, 868
  - single-layer continuous polypropylene, 163
  - stapled *vs.* hand-sewn, 503
  - sutureless, with fibrin glue in the rat, 601
- colorectal
  - evaluation of the biofragmentable anastomotic ring following preoperative irradiation to the rectosigmoid in dogs, 5
- ileal
  - can the pouch be saved (original contribution), 671
  - J-pouch, experimental construction, 186
  - pouch, voluntary control coordinated by electrical stimulation: pilot study in the dog, 261
  - pouch-anal, for chronic ulceration colitis and familial polyposis coli complicated by adenocarcinoma, 358
- ileoanal
  - and the ileal reservoir procedure, 10
  - ileostomy for fecal diversion following (technical notes), 819

- J-pouch, technique for construction, 87
- modified three-loop reservoir, 823
- nylon sleeve for safe reservoir downpulling during, 821
- pouch technique alterations, 929
- ileorectal, and abdominal colectomy, spontaneous resolution of rectal polyps following, 169
- ureteroenteric, changes masquerading as a neoplastic polyp, case reports, 113
- Anesthesia, epidural, for acute pseudo-obstruction of colon, 686
- Angiography, diagnosis of the degree of serosal invasion of carcinoma of the colon, 46
- Antibodies, monoclonal, radiolabeled, and suppression of growth of colorectal carcinoma cells in tissue culture and nude mice, 781
- Antigens. *See also* specific antigens
  - expression of in rectal carcinoids, 450
- Anus
  - Burkitt's lymphoma protruding through, 629
  - canal and margins, squamous cell carcinoma of, prognosis after radical treatment, 273
  - ducts, adenocarcinoma of, 268
  - fissure, results of sphincterotomy for, 368
  - reconstruction after postirradiation necrosis, 632
  - sensation and the continence mechanism, 433
  - sepsis, as presentation of occult rectal and systemic disease, 597
  - sphincter
    - classification by diathermy, 979
    - manometric study after coloanal anastomosis for carcinoma, 119
  - thrombosis, 403
- Appendix
  - adenocarcinoma of, 25-year review (current status), 145
  - adenoma, villous, colonoscopic diagnosis, 398
  - vermiform
    - adenocarcinoid of, 605
    - mucocoele of, 735
- ATPase, Na-K, mucosal changes after total colectomy, 523

## B

- Bacteriology, fecal, in patients operated on for ulcerative colitis, 864
- Bleeding, gastrointestinal, colonoscopic diagnosis and treatment of arteriovenous malformations in, 107
- Bowen's disease, perianal, 419
- Burkitt's lymphoma, protruding through the anus, 629

## C

- Cancer. *See also* Carcinoma; specific cancers
  - colon
    - chronic constipation, diarrhea, and laxative use and, 507
    - clinical-pathologic staging (special communication), 204
    - synchronous, 518
  - colorectal
    - bases for comprehensive follow-up (current status), 636
    - collagen in relation of clinicopathologic stage and histologic grade, 778
    - hepatic and extrahepatic metastases, ornithine carboxylase activity in, 352
    - hereditary nonpolyposis differential diagnosis, 372
    - natural history of, 439
    - metastases, resection of liver for, 1
    - postoperative stay, determinants of, 694
    - prevention with vitamin supplements in women, 430

- regression analysis of prognostic factors after curative resections, 33
- gastrointestinal, prevention with dietary anticarcinogens, 72
- rectal
- advanced, best palliation, 842
  - endorectal ultrasound for assessment of wall invasion, 617
  - micturitional dysfunction after anterior resection for, 707
  - pelvic packing in maintaining hemostasis after excision, 923
  - and rectosigmoid, advanced, excision of lower ureter and internal iliac vessels for, 872
  - surgical removal of adrenal metastasis, 141
- Carrageenan, -induced colitis in rabbits, immunoglobulin-containing cells in colonic mucosa of, 723
- Carboquone, and colorectal carcinoma, 62
- Carcinoembryonic antigen, in evaluation of benign colonic adenoma, 123
- Carcinogenesis
- in colorectal cancer, collagen in relation to clinicopathologic stage and histologic grade 778
  - serum levels of gastrin with colorectal neoplasia, 716
  - theories of, impact on treatment of colorectal cancer, 513
- Carcinoma. *See also* Cancer; specific carcinomas
- anal canal and margins, radical treatment and long-term prognosis, 273
  - breast, colonic metastases from, 401
  - colon
    - neuroendocrine, elevated creatine phosphokinase MB as tumor marker, 318
    - serosal invasion, angiographic diagnosis, 46
    - squamous cell, review of two cases, 228
    - venous invasion, pharminoangiographic diagnosis, 718
  - colorectal
    - biochemical tissue markers of, 176
    - flat adenoma and flat mucosal carcinoma as precursor, 236
    - in vitro*, chemosensitivity, 62
    - metastases to liver, 100
    - suppression of growth by radiolabeled monoclonal antibody in tissue culture and nude mice, 781
  - flat, as precursor to colorectal carcinoma, 236
  - gastrointestinal, occult, causing metastatic clostridal soft-tissue infection, 306
  - rectal, expression of carcinoma-associated and blood-group-associated antigens in, 450
  - sigmoid, perianal metastasis, case report, 68
- CEA. *See* Carcinoembryonic antigen
- Cecum, volvulus, 445
- Cefamandole, randomized trial in elective colorectal surgery for malignancy, 427
- Cefotaxime, short-term prophylaxis with, in colorectal surgery, 25
- Cefoxitin, one-day, *vs.* three-day ampicillin and metronidazole for elective colorectal surgery, 774
- Cephalosporin *vs.* five-day therapy using metronidazole with an aminoglycoside in emergency and complicate colorectal surgery, 28
- Cisplatin, and colorectal carcinoma, 62
- Classic articles
- authors
    - Andrews, Edmund, 331
    - Dragstedt, Lester R., 658
    - Fournier, Jean-Alfred, 984
    - Goldmann, J., 154
    - Lembert, Antoine, 489
    - Parks, Alan Guyatt, 826
  - Chronic Ulcerative Colitis: A Summary of Evidence Implicating Bacterium *Necrophorum* as an Etiologic Agent, 658
  - Concerning Prolapse of the Rectum with Special Emphasis on the Operation by Thiersch, 154
  - Overwhelming Gangrene, 984
  - Proctocolectomy without Ileostomy for Ulcerative Colitis, 826
  - Study on Intestinal Suture with a Description of a New Procedure for Performing This Surgical Operation, 489
  - The Treatment of Hemorrhoids by Injection, 331
  - Clostridium perfringens*, infection caused by occult gastrointestinal carcinoma, 306
  - Coccygodynia, spontaneous and evoked, in depression, 210
  - Colectomy
    - abdominal, and ileorectal anastomosis, spontaneous resolution of rectal polyps following, 169
    - for cytomegalovirus ileocolitis in patients with AIDS, 755
    - ileostomy for fecal diversion following (technical notes), 819
    - intestinal adaptation and mucosal changes after, 523
    - subtotal, as option in management of chronic constipation, 679
  - Colitis, ulcerative
    - adenosquamous cell carcinoma in, 323
    - bacterium *necrophorum* as etiologic agent (classic article), 658
    - carrageenan-induced in rabbits, immunoglobulin-containing cells in colonic mucosa, 723
    - DNA content in, 710
    - fecal bacteriology and reservoir ileitis in surgical patients, 864
    - ileal pouch-anal anastomosis for, 358
    - mucin abnormality of colonic mucosa in, 387
    - pathogenic events leading to (current status), 482
    - proctocolectomy without ileostomy for (classic article), 826
    - in protracted remission, CC
    - squamous cell metaplasia with severe dysplasia of colonic mucosa in, 558
  - Colon
    - antimicrobial preparation, 90
    - cancer
      - chronic constipation, diarrhea, and laxative use and, 507
      - clinical-pathologic staging (special communication), 204
    - carcinoma
      - adenosquamous cell, in ulcerative colitis, 323
      - angiographic diagnosis of degree of serosal invasion, 46
      - neuroendocrine, elevated creatine phosphokinase MB as a tumor marker, 318
      - squamous cell, report of two cases, 228
      - venous invasion, pharminoangiographic diagnosis, 718
    - diverticula
      - association with adenomas and carcinomas, 793
      - giant: three distinct entities, 624
    - endometriosis, diagnosis and management, 952
    - glomus tumor of, 138
    - ischemic, effect of prostacyclin analogue on, 541
    - lectin-binding patterns in normal and neoplastic mucosa, 892
    - lymphangioma of (case study), 900
    - metastases from lobular breast carcinoma, 401
    - motility and propulsion, postoperative effects of ibuprofen on, 363
    - parietal blood flow in, studies in dogs, 54
    - polyps
      - and cancer, phenotypic markers for, 857
      - and cancer, review with initial colonoscopy, 222
      - malignant, risk factors and screening techniques, 216
    - pseudo-obstruction, acute, epidural anesthesia for, 686
    - squamous cell metaplasia with severe dysplasia of mucosa in ulcerative colitis, 558
    - surgery
      - analgesia following, patient-controlled *vs.* intramuscular, 83
      - body iron stores in patients, 42
  - Colonoscopy
    - in diagnosis and treatment of arteriovenous malformations in

- chronic lower gastrointestinal bleeding, 107
- tandem, in diagnosis of colovaginal fistula, (technical notes), 653
- Colopexy, retroperitoneal, for adult rectal procidentia, 104
- Colostomy
  - continent, perineal, 957
  - end sigmoid, preventing retraction of (technical notes), 328
  - irrigation, assessment, 279
  - loop, efficacy for fecal diversion, 298
- Colovaginoscopy, in diagnosis of colovaginal fistula (technical notes), 653
- Complications, in renal transplants, 130
- Constipation
  - chronic
    - role in colonic cancer, 507
    - subtotal colectomy in management of, 679
  - in elderly, 111
  - idiopathic
    - proctocolectomy with restorative ileoanal reservoir for, 968
    - radiologic studies of rectal evacuation in adults with, 190
- Creatine phosphokinase MB, as tumor marker in neuroendocrine carcinoma of the colon, 318
- Crohn's disease
  - anovaginal and rectovaginal fistulas in, 94
  - diamine oxidase activity assessment, 529
  - and home parenteral nutrition, 454
  - leukery in, 854
  - oral inflammatory changes as initial manifestation, 548
  - somatostatin in, 198
- CT scan, diagnosis of diffuse cavernous hemangioma of the rectosigmoid (case study), 797
- Cytomegalovirus ileocolitis, in patients with AIDS, emergency colectomy for, 755

## D

- Depression, spontaneous and evoked coccygodynia in, 210
- Desmoid tumors, in Gardner's syndrome, 459
- Diamine oxidase activity, postheparin, in assessing Crohn's disease, 529
- Diarrhea, role in colonic cancer, 507
- Diathermy, for perioperative classification of perianal muscle as external or internal sphincter, 979
- Diet
  - anticarcinogens and prevention of gastrointestinal cancer, 72
  - as risk factor in fissure-in-ano, 770
- Diverticular disease
  - association with adenomas and carcinomas, 793
  - internal fistulas in, 591
- Diverticulitis
  - colovesical fistula secondary to, 570
  - of transverse colon in a child, 574
- DNA
  - aneuploidy in colonic adenomas, and risk of colorectal cancer, 423
  - content in ulcerative colitis, 710
- Drugs. *See also* specific drugs
  - anticarcinogens, dietary, and prevention of gastrointestinal cancer, 72

## E

- Elderly, constipation in, 111
- Endometriosis, of colon and rectum, diagnosis and management, 952
- Endoscopy
  - fluorescein, assessment of intestinal ischemia, 848
  - supporting brace for (technical notes), 409
- Enema
  - barium, rectal perforation during, 563

- water-soluble contrast, assessment of polypropylene colonic anastomosis, 163
- Epididymitis, 570

## F

- Fecal diversion, loop colostomy for, 298
- Fibromatosis, mesenteric, spontaneous isolated, 315
- Fissure
  - anal, results of open and closed sphincterotomy for, 369
  - in-ano, diet and other risk factors, 770
- Fistula
  - anal-canal, with pilonidal sinus, 965
  - anoperineal, endorectal sliding flap repair of, 22
  - anovaginal and rectovaginal in Crohn's disease, 94
  - in-ano, closure of the internal opening, 116
  - colohepatic, due to hydatid disease, 546
  - colovaginal, tandem colovaginoscopic diagnosis (technical notes), 653
  - colovesical, secondary to diverticulitis, 570
  - diverticular, 591
  - rectovaginal
    - gracilis repair after restorative proctocolectomy, 730
    - repair of, 676
- Fluorescein endoscopy, assessment of intestinal ischemia, 848
- Fluorouracil, and colorectal carcinoma, 62

## G

- Gangrene (classic article), 984
- Gardner's syndrome
  - protean manifestations, 699
  - treatment of desmoid tumors in, 459
- Gastrin, serum levels in patients with colorectal neoplasia, 716
- Glomus tumor of the colon, 138
- Gluteus maximus, muscle island transfer, 470
- Gracilis
  - repair of rectovaginal fistula after restorative proctocolectomy, 730
  - transfer, for reconstruction of partial rectal and sacral loss, 470
  - transposition
    - for fecal incontinence, 134
    - manometric assessment, 767

## H

- Hartmann procedure, indications in severe intra-abdominal infection, 126
- Hemangioma, of rectosigmoid, CT scan diagnosis and surgical management using sphincter-saving procedures (case study), 797
- Hemorrhoids
  - classification, 474
  - multiple or circumferential, hemorrhoidectomy for (technical notes), 245
  - in Napoleon at Waterloo, 303
  - treatment by injection (classic article), 331
- Hemorrhoidectomy
  - for multiple or circumferential hemorrhoids (technical notes), 245
  - and sphincterectomy, prospective study, 181
  - Whitehead technique, unjustly maligned, 587
- Hemostasis, pelvic packing after rectal excision of cancer, 923
- Hydatid disease, colohepatic fistula due to, 546

## I

- Ibuprofen, effects on postoperative bowel motility and propulsion, 363
- Ileal reservoir, and ileoanal anastomosis procedure, factors affecting outcome, 10
- Ileitis, and fecal bacteriology in patients operated on for ulcerative colitis, 864

**Ileostomy**

for fecal diversion following colectomy and ileoanal anastomosis (technical notes), 819

Kock's pouch, converted to a pelvic pouch, 467

Immunoglobulin, in colonic mucosa of rabbits with carrageenan-induced colitis, 723

**Incontinence, anal**

gracilis muscle transplant for, manometric assessment, 767

implanted neuromuscular stimulator for, 134

surgical correction, 533

Inflammatory bowel disease, idiopathic, somatostatin in, 198

**Intestine**

ischemia, fluorescein endoscopic assessment, 848

paralysis, postoperative, neostigmine in, 378

suture (classic article), 489

Iron, body stores in patients subjected to surgery of the large bowel, 42

**Irradiation**

preoperative, to the rectosigmoid in dogs, evaluation of the biofragmentable anastomotic ring following, 5

**K**

Kidney transplant, colonic complications, 130

Kock's pouch, converted to a pelvic pouch, 467

**L**

Laxatives, chronic use and colonic cancer, 507

Lectins, binding patterns in normal and neoplastic colonic mucosa, 892

Leeds Castle Polyposis Group, group meeting (special communication), 613

Leukergy, in inflammatory bowel disease, 854

Levator ani, posterior repair with excision of rectal prolapse in elderly high-risk patients, 704

**Liver**

metastases, colorectal, 100

resection for colorectal carcinoma metastases, 1

Lungs, operative management of metastases of colorectal origin, 786

Lymphangioma, of large intestine (case report), 900

Lymphoma, Burkitt's, protruding through the anus, 629

Lynch syndrome, I and II

differential diagnosis, 372

natural history of, 439

**M**

Malacoplakia, colonic—occurrence in a family, 390

Manometry, study of the anal sphincter after colonic anastomosis for carcinoma, 119

Meningocele, sacral, and scimitar sign, 806

**Metastases**

adrenal, from cancer of the rectum, 141

colorectal carcinoma, resection of liver for, 1

extrahepatic

from colorectal cancer, ornithine decarboxylase activity in, 352

in patients with colorectal hepatic metastases, 100

hepatic

from colorectal cancer, ornithine decarboxylase activity in, 352

from colon carcinoma, pharmacangiographic diagnosis of venous invasion, 718

perianal, from sigmoid carcinoma, case report, 68

pulmonary, of colorectal origin, operative management, 786

**Metronidazole**

with aminoglycoside, vs. short-term antibiotic cover with third-generation cephalosporin in emergency and complicated colorectal surgery, 28

with ampicillin, three-day, vs. one-day cefoxitin, in elective colorectal surgery, 774

Mitomycin C, and colorectal carcinoma, 62

**Mucin**

abnormality of colonic mucosa in ulcerative colitis with carcinoma and/or dysplasia, 387

changes in, in evaluation of benign colonic adenomas, 123

Mucocele, of vermiform appendix, 735

**N**

Neostigmine, in postoperative intestinal paralysis, 378

**O**

Ogilvie's syndrome, epidural anesthesia for, 686

Ornithine decarboxylase, in hepatic and extrahepatic metastases from colorectal cancer, 352

Ovary, benign cystic teratoma with colorectal involvement, 808

**P**

Paget's disease, perianal, 462

**Pelvis**

efficacy of absorbable mesh in keeping the small bowel out of the pelvis following surgery, 17

packing

to maintain hemostasis following rectal excision of cancer, 923

modified technique to control presacral pelvic bleeding, 981

Peritonitis, and intraluminal anastomotic fecal contact in colonic anastomotic leakages, 868

Phenotype, markers for colonic polyps and cancers, 857

**Pilonidal sinus**

with anal-canal fistula, II

new treatment technique, 879

Polyglycolic acid mesh, efficacy in keeping the small bowel out of the human pelvis following surgery, 17

**Polyposis coli, familial**

adenomatous, congenital hypertrophy of retinal pigment epithelium as a marker for, 253

complicated by adenocarcinoma, ileal pouch-anal anastomosis for, 358

protean manifestations, 699

spontaneous resolution of rectal polyps following abdominal colectomy and ileorectal anastomosis, 169

**Polyps**

colonic, malignant

complicating ureterosigmoidostomy, 961

review with initial colonoscopy, 222

risk factors and screening techniques, 216

on ileostomy stoma in polyposis coli, 405

juvenile, at site of ureterosigmoidostomy, 553

ureteric, neoplastic, ureteroenteric anastomosis masquerading as, 313

colorectal

prevention with vitamin supplements in women, 430

worth treating? 50

rectal, spontaneous resolution following abdominal colectomy and ileorectal anastomosis, 169

**Proctocolectomy**

gracilis repair of rectovaginal fistula after, 730

with ileoanal reservoir for idiopathic constipation, 968

without ileostomy for ulcerative colitis (classic article), 826

Prostacyclin analogue, effect on anastomosis of ischemic colon in dogs, 541

## R

- Rectosigmoid, hemangioma, CT scan diagnosis and surgical management using sphincter-saving procedures (case study), 797
- Rectum
- adenocarcinoma
    - local recurrence after resection using EEA stapler, 945
    - resectable, treated with preoperative irradiation and surgery, 287
    - voiding dysfunction after abdominoperineal resection for, 682
  - bleeding, rectal peptic ulceration as cause, 803
  - blood flow in, studies in dogs, 46
  - cancer
    - advanced, best palliation, 842
    - endorectal ultrasound for assessment of wall invasion of, 617
    - micturitional dysfunction after anterior resection for, 707
    - pelvic packing after to maintain hemostasis, 723
    - surgically removed adrenal metastasis from (case report) 141
  - carcinoma, expression of carcinoma-associated and blood-group-associated antigens in, 450
  - endometriosis, diagnosis and management, 952
  - manometric evaluation following resection, 762
  - occult disease, anorectal sepsis as presentation of, 597
  - peptic ulceration as cause of bleeding, 803
  - perforation during barium enema, 563
  - prolapse
    - (classic article), 154
    - perineal excision with posterior levator repair in elderly high-risk patients, 704
    - retroperitoneal colopexy for, 104
    - and Ripstein operation, rectal function associated with, 283
    - selecting the most appropriate treatment procedure, 355
  - resection
    - with EEA stapler, manometric evaluation following, 762
    - micturitional dysfunction after, 707
    - proximal L-shaped clamp for (technical notes), 151
  - tuberculosis, in a patient with AIDS, 394
  - vaginal septum, reconstruction after postirradiation necrosis, 632
- Regression analysis of prognostic factors in colorectal cancer after curative resections, 33
- Ripstein operation and procidentia, rectal function associated with, 283

## S

- Scimitar sign, and anterior sacral meningocele, 806
- Sepsis, anorectal, as presentation of occult rectal and systemic disease, 597
- Somatostatin, in idiopathic inflammatory bowel disease, 198
- Sphincter. *See* Anus, Rectum
- Sphincterectomy, and hemorrhoidectomy, prospective study, 181
- Sphincterography, balloon, clinical findings, 347
- Sphincterotomy, long-term results for anal fissure, 368
- Statistics for colon and rectal surgeons (current status), 815
- Stomal varices, bleeding, surgical management, 343
- Surgeons, colon and rectal, statistics for (current status), 815
- Surgery. *See also* specific surgical procedures
- antimicrobial bowel preparation, 90
  - colon
    - body iron stores in patients subjected to, 42
    - intracolonic bypass for obstruction, EE
  - colorectal
    - cefotixin one-day vs. three-day ampicillin and metronidazole, 774

- comparison of short-term antibiotic cover with third-generation cephalosporin vs. conventional five-day therapy using metronidazole with an aminoglycoside in, 28
- failure in prophylactic management of thromboembolic disease in, 384
- perioperative prophylactic cefamandole in, prospective randomized trial, 427
- prophylaxis with cefotaxime in, 25
- endoscopic laser, in colon and rectum (current status), 739
- fine-needle aspiration cytology of rectal tumors, 655
- ileoanal pouch technique, alterations in, 929
- for pilonidal sinus, 879
- purse-string suture for low anterior resection (technical notes), 977
- for pulmonary metastases of colorectal origin, 786
- rectal, fine-needle cytology of tumors, 655
- sphincter-saving procedures for diffuse cavernous hemangioma of rectosigmoid (case study), 797

## T

- Technical notes
- colovaginoscopy in diagnosis of colovaginal fistula, 653
  - end colostomy, preventing retraction of, 328
  - endoscope, supporting brace for, 409
  - hemorrhoidectomy in the patient with multiple or circumferential hemorrhoids, 245
  - loop ileostomy for fecal diversion following colectomy and ileoanal anastomosis, 819
  - proximal L-shaped clamp for use in low anterior resection of the rectum, 151
  - swivel purse-string instrument for low anterior resection, 977
- Teratoma, ovarian, with colorectal involvement, 808
- Thiersch operation
- (classic article), 154
  - modified, silicone prosthesis in, 380
- Thromboembolic complications, of colorectal surgery, failure of prophylactic management, 384
- Thrombosis, perianal, 403
- Tuberculosis, rectal, in a patients with AIDS, 394
- Turcott's syndrome (current status), 907

## U

- Ultrasonography, endorectal, for assessment of wall invasion of rectal cancer, 617
- Ureter, *En bloc* excision with internal iliac vessels for advanced rectal and rectosigmoid cancer, 872
- Ureterosigmoidostomy
- complicated by polyp formation, 961
  - juvenile polyps at site of, 553

## V

- Vagina, reconstruction after postirradiation necrosis, 632
- Vitamin supplements, prevention of adenomatous polyps and cancer of the colon in women, 430
- Voiding dysfunction, risk factors after abdominoperineal resection for adenocarcinoma of rectum,
- Volvulus, cecal, 445

## W

- Whitehead, Walter, hemorrhoidectomy technique, 587



## CONTRIBUTORS TO VOLUME 31

## A

ABCARIAN, H. ....	699
ACCARPIO, G. ....	965
ADACHI, M. ....	236
ADAMS, D. B. ....	653
ADAMSEN, S. ....	558
AGAWA, S. ....	387
AGUILAR, P. S. ....	380
AHARONSON, M. ....	854
ÅHSIGREN, L. ....	710
ALA-EDEEN, T. ....	181
ALAVAIIKKO, M. J. ....	601
ALBERT, J. M. ....	83
ALEXANDER, J. B. ....	245
AL-HUMADI, A. H. ....	977
ALLAN, A. ....	597
ALON, R. J. ....	401
AL-QUORAIN, A. A. ....	390
AMBROSE, N. S. ....	597
ANAI, H. ....	62
ANANTHAKRISHNAN, N. ....	104
ANDERSON, J. M. ....	279
ARENDSE, J. W. ....	33
ARHAN, P. ....	54
ASFAR, S. K. ....	181
ASSCHENFELDT, P. ....	605
ATTIA, A. ....	394
AVILA, C. ....	636
AVIRAM, R. ....	176
AYLWARD, C. A. ....	797

## B

BACH, D. ....	130
BAETEN, C. ....	134
BAILEY, H. R. ....	116, 163
BAK, M. ....	605
BALCOS, E. G. ....	679
BALFOUR, T. W. ....	961
BALLANTYNE, G. H. ....	513, 842
BARRITAU, L. ....	54
BARTOLO, D. C. C. ....	433
BARTRAM, C. I. ....	190
BARUA, R. ....	138
BASHIST, B. ....	394
BATHURST, N. ....	907
BEART, R. W., JR. ....	358, 423
BECK, D. E. ....	343, 419
BECKER, J. M. ....	186
BECKLY, D. ....	907
BEN-BARUCH, D. ....	945
BERDEAUX, A. ....	54
BERK, T. ....	253
BHARGAVA, D. K. ....	692
BHASIN, D. K. ....	655
BILCHIK, A. J. ....	842
BIROLINI, D. ....	298
BJOERNSEN, K. ....	25
BLAIR, J. ....	10
BLAND, K. I. ....	287
BLOCK, G. E. ....	228, 323

BLOMQUIST, P. ....	886
BODE, W. E. ....	87
BOGGS, H. W. ....	839
BONOMI, P. ....	318
BÖRSCH, G. ....	548
BOUCHOUCHA, M. ....	54
BOWERS, F. ....	380
BOYD, J. B. ....	730
BRADNOCK, J. ....	111
BRANDEIS, S. Z. ....	563
BRANT, W. E. ....	315
BREARLEY, R. ....	403
BREARLEY, S. ....	403
BRISTER, S. J. ....	786
BRODEN, G. ....	283
BROGHAMER, W. L. ....	518
BUBRICK, M. P. ....	5, 363
BUCHI, K. N. ....	739
BUCKLEY, D. ....	306
BUFFIN, S. E. ....	279
BURDON, D. W. ....	28
BURGOS, F. J. ....	682
BURKE, J. B. ....	806
BURNETT, D. A. ....	529
BURSTEIN, Y. ....	629
BUSCH, C. ....	450

## C

CAMISHION, R. C. ....	245
CAMPO, B. ....	707
CAMPO, E. ....	892
CAMUÑAS, J. ....	636
CARDESA, A. ....	892
CARMONA, J. A. ....	546
CARNEY, J. A. ....	198
CASTERA, P. ....	868
CASTRINI, G. ....	119
CERAME, M. A. ....	145
CERVERO, F. ....	433
CHANDLER, J. J. ....	17
CHANG, A. E. ....	100
CHEN, H. M. ....	781
CHEERY, D. A. ....	347
CHESTER, J. F. ....	409
CHOPRA, P. ....	692
CHRISTENSON, C. E. ....	679
CHURCH, J. M. ....	50, 923
CIOROIU, M. ....	735
CLARK, J. ....	318
COENEN, C. ....	548
COHEN, Z. ....	10, 253
COLAVOLPE, V. ....	793
COLHOUN, E. N. ....	313
COLLER, J. A. ....	533, 671
CONDOM, E. ....	892
CONTE, C. C. ....	427
COPELAND, E. M. ....	287
CORDONE, R. P. ....	563
CORMAN, M. L. ....	368
CORMIER, R. A. ....	529
CRISTOFARO, G. ....	372
CROUCH, F. M. ....	5
CULP, C. E. ....	587

## D

DAILEY, T. H. ....	755
DAVINI, M. D. ....	965
DE ANGELIS, P. ....	793
DE BOER, H. H. M. ....	778
DE MORREE, H. ....	355
DE VARENNES, B. ....	786
DECKER, G. ....	126
DEUTSCH, A. ....	176
DEVEREUX, D. F. ....	17
DEVESA, J. M. ....	636
DEVROEDE, G. ....	54
DIONISIO, P. ....	119
DOLK, A. ....	283
DOWNES, R. J. ....	503
DOZOIS, R. R. ....	303, 358, 423

## E

EASLEY, K. A. ....	169
EISENSTAT, T. ....	17
EL-AGEB, A. ....	390
EL-MOUZAN, M. I. ....	390
ENBLAD, P. ....	450
ENRIQUEZ, J. M. ....	636
EVANS, M. ....	90
EVERS, B. M. ....	518

## F

FABRY, H. ....	548
FASST, S. ....	467
FAZIO, A. ....	965
FAZIO, V. W. ....	50, 107, 169, 343, 419, 591, 797, 848, 923
FEENEY, D. A. ....	5
FEINBERG, S. M. ....	169
FERGUSON, C. J. ....	961
FERNANDEZ, E. ....	682
FIELD, B. ....	507
FIELDING, L. P. ....	204
FITZGIBBONS, R. J., JR. ....	372, 439
FLESHMAN, J. W. ....	10
FLEX, D. ....	945
FLUKS, A. ....	134
FONTES, B. ....	298
FONTES, W. ....	298
FORDE, K. A. ....	430
FOROUHAR, F. A. ....	503
FORTE, M. D. ....	315
FOURNIER, J.-A. ....	984
FRY, R. D. ....	22
FRYKMAN, S. ....	363
FUJITA, K. ....	141

## G

GALANDIUK, S. ....	848
GALLIX, P. ....	54
GER, R. ....	868
GLIMELIUS, B. ....	450
GO, V. L. IV. ....	198
GOLDBERG, S. M. ....	676, 679

GOLDMAN, G. ....	854
GÓMEZ, L. G. ....	474
GONZÁLEZ, M. A. ....	957
GORDON, P. H. ....	786
GORENSTEIN, L. ....	730
GOULD, V. E. ....	318
GOVILA, A. ....	470
GRAHAM, B. ....	952
GRAVERSEN, H. P. ....	774
GREIF, F. ....	629
GROND, J. ....	553
GRUNDFEST-BRONIATOWSKI, S. ....	261, 343

## H

HABER, G. ....	58
HAGEN, K. ....	268, 273
HAMMER, B. ....	629
HAN, S. H. ....	781
HANSEN, O. H. ....	25
HARA, M. ....	236
HARDY, T. G., JR. ....	380
HARJU, E. ....	42
HARLING, H. ....	268, 273
HAROUTIOUNIAN, G. ....	394
HARRIS, G. J. ....	311
HARTMANN, R. F. ....	380
HASHIMURA, H. ....	723
HAUKIPURO, K. A. ....	601
HAWLEY, P. R. ....	94
HAYNES, I. ....	28
HEBERT, J. C. ....	328
HENDRIKS, T. ....	778
HERNANDEZ, M. J. ....	636
HÉRO, M. ....	54
HERRERA, L. ....	352, 427
HIKI, M. ....	723
HOJO, K. ....	872
HOLMSTROM, B. ....	283
HOPKINS, B. S. ....	755
HUGHES, K. S. ....	1, 100
HULKKO, O. A. ....	601
HULTÉN, L. ....	467
HYDER, J. W. ....	971

## I

IHARA, O. ....	900
IIDA, M. ....	459
IJIMA, T. ....	46, 718
IKEDA, S. ....	459, 523, 541, 762
IKENAGA, T. ....	236
ILYES, L. ....	261
INOUE, T. ....	459
IRVING, M. H. ....	454
ISOMOTO, H. ....	617
ITO, H. ....	459, 523, 541, 762

## J

JACOBS, D. M. ....	363
JACOBS, G. ....	261

- JAGELMAN, D. .... 923  
JAGELMAN, D. G. . 169, 419, 591  
JÄRVINEN, H. .... 864  
JARVIS, L. .... 907  
JENSEN, L. L. .... 347  
JENSEN, S. L. .... 268, 273, 770  
JIBORN, H. .... 445, 886  
JINBO, S. .... 900  
JOHNSEN, C. M. .... 430  
JOHNSON, C. D. .... 405  
JOHNSON, H., JR. .... 258  
JOHNSTON, G. R. .... 5  
JONES, I. T. .... 50  
JØRGENSEN, T. .... 384  
JUMA, T. H. .... 181
- K
- KAHN, P. J. .... 854  
KAKEGAWA, T. .... 617  
KAMEYAMA, S. .... 141  
KAMINISHI, M. .... 900  
KAMM, M. A. .... 968  
KARIV, N. .... 854  
KASICK, J. .... 261  
KAWAMURA, M. .... 141  
KEANE, P. F. .... 948  
KEIGHLEY, M. R. B. .... 28, 767  
KELLY, K. A. .... 358  
KESSLER, E. .... 123  
KESTENBERG, A. .... 186  
KHANDUJA, K. S. .... 380  
KITANO, A. .... 723  
KITANO, K. .... 762  
KJAERGAARD, J. .... 384  
KOBAYASHI, K. .... 723  
KOCH, T. R. .... 198  
KOCHHAR, R. .... 655  
KODNER, I. J. .... 22  
KORTAN, P. .... 58  
KOVALCIC, P. J. .... 806  
KOZOL, R. A. .... 503  
KRAUSZ, M. M. .... 819, 821  
KREUTZER, D. L. .... 503  
KRIEGLER, M. .... 372, 439  
KRISTIANSEN, J. D. .... 774  
KUDSK, K. .... 306  
KUIJPERS, J. H. C. .... 355  
KUNE, G. A. .... 507  
KUNE, S. .... 507  
KURAMOTO, S. .... 900  
KUSUMOTO, H. .... 62  
KUSUMOTO, T. .... 62
- L
- LAHR, C. J. .... 347  
LAITINEN, S. T. .... 601  
LANDMANN, D. D. .... 808  
LANSPA, S. J. .... 372, 439  
LAO, A. .... 130  
LARSEN, T. K. .... 384  
LAUCKS, S. S., II .... 279  
LAUSEN, N. .... 774
- L
- LAURIDSEN, F. .... 25  
LAVERY, I. C. .... 169, 419, 591, 923  
LAWRENCE, W. A. .... 216, 222  
LAX, J. D. .... 394  
LEE, I. .... 318  
LEE, J. T. .... 686  
LEE, Y.-S. .... 291  
LEFOR, A. T. .... 100  
LENNARD-JONES, J. E. .... 94, 190  
LEWIS, R. W. .... 808  
LEWIS, T. H. .... 368  
LIEBER, M. M. .... 68, 423  
LILJEQVIST, L. .... 929  
LIN, J. K. .... 781  
LINDEROTH, B. .... 979  
LINDQUIST, K. .... 929  
LJUNGDAHL, I. .... 929  
LLANEZA, P. P. .... 398  
LONGO, W. E. .... 842  
LOWRY, A. C. .... 676  
LUCAS, G. W. .... 797  
LÚNDV, J. .... 857  
LURIE, B. .... 123  
LUUKKONEN, P. .... 864  
LYNCH, H. T. .... 372, 439  
LYNCH, J. F. .... 372, 439  
LYNCH, J. H. .... 570  
LYUBSKY, S. .... 857
- M
- MACHI, J. .... 617  
MACKEIGAN, J. M. .... 971  
MAEHARA, Y. .... 62  
MANEY, J. W. .... 5  
MANURITA, L. .... 793  
MARCON, N. E. .... 58  
MARCUS, J. .... 372, 439  
MARGOLIS, I. .... 258  
MAROY, B. .... 210  
MARTELLI, H. .... 54  
MATSUMOTO, K. .... 716  
MATSUMOTO, T. .... 723  
MATTHEWS, T. H. .... 518  
MAUPAS, J. L. .... 803  
MAX, E. .... 163  
MAY, I. .... 939  
MAZIER, W. P. .... 279, 952  
MCGANNON, E. .... 169  
MCLEOD, R. S. .... 10, 253  
MCNUTT, R. .... 624  
MEHTA, S. K. .... 655  
MENDENHALL, W. M. .... 287  
MENSINK, H. J. A. .... 553  
MESTITZ, S. T. .... 5  
METAYER, J. .... 803  
METCALF, A. M. .... 311  
METWALLY, N. .... 868  
METZGER, P. P. .... 981  
MIBU, R. .... 523, 762  
MICHELASSI, F. .... 228, 323  
MILLER, R. .... 433  
MILLION, R. R. .... 287
- MILSOM, J. W. .... 279  
MISHLOVE, L. A. .... 228  
MODLIN, I. M. .... 842  
MOHAN, D. .... 907  
MONTAG, A. G. .... 323  
MOR, C. .... 176  
MORALES, V. .... 636  
MORGADO, P. J. .... 474  
MORGADO, P. J., JR. .... 474  
MORINI, S. .... 793  
MORIKA, Y. .... 236, 387  
MORITZ, A. .... 261  
MORIYA, Y. .... 872  
MOROTOMI, T. .... 617  
MORRIS, V. A. .... 198  
MORRISON, J. G. .... 398  
MORTENSEN, N. J. McC. .... 433  
MUELLER, S. C. .... 735  
MÜLLER, K.-M. .... 548  
MULLIGAN, M. .... 503  
MULLINS, R. J. .... 518  
MURAKAMI, T. .... 900  
MUTCH, W. M. .... 216, 222  
MUTO, T. .... 236, 387  
MYRHÖJ, T. .... 378
- N
- NAGURA, H. .... 723  
NAKAHARA, S. .... 523, 762  
NAKAMURA, Y. .... 762  
NAKAYAMA, F. .... 523, 541  
NELSON, R. L. .... 699  
NEMER, F. D. .... 679  
NEUFELD, D. M. .... 22  
NEUGUT, A. I. .... 430  
NICHOLLS, R. J. .... 968  
NIELSEN, O. V. .... 268, 273  
NIELSEN, S. Aa. D. .... 25  
NIMS, C. .... 430  
NORDENBERG, J. .... 176  
NORDGREN, S. .... 467  
NORRUD, C. .... 558  
NORTHOVER, J. M. A. .... 94  
NOSE, Y. .... 261  
NOVOGRODSKY, A. .... 176  
NOWACKI, M. P. .... 632  
NUÑO, J. .... 636
- O
- OBATA, A. .... 723  
OBEID, S. A. F. .... 879  
O'BRIEN, W. M. .... 570  
OHRI, S. K. .... 948  
OKAWA, K. .... 723  
OLSEN, E. .... 261  
OLSEN, H. W. .... 216, 222  
OLSEN, O. .... 378  
O'NEILL, P. .... 427  
ONITSUKA, H. .... 459  
OOHARA, T. .... 900  
OOHATA, Y. .... 459, 541, 762  
ORANGIO, G. R. .... 797  
ORDESI, G. .... 707  
ORESAND, T. .... 467  
ORSAY, C. P. .... 699
- ORTIZ, H. .... 546  
OSHITANI, N. .... 723  
ÖSTBERG, G. .... 558
- P
- PADFIELD, C. J. H. .... 961  
PAGNOZZI, J. A. .... 735  
PALACÍN, A. .... 892  
PAPA, M. Z. .... 100  
PAPPALARDO, G. .... 119  
PARKASH, S. .... 104  
PARKER, J. A. .... 253  
PATYA, M. .... 176  
PEARL, R. K. .... 699  
PEILLON, C. .... 803  
PELLERIN, D. .... 54  
PELLO, M. J. .... 245  
PEMBERTON, J. H. .... 358  
PERALES, L. .... 682  
PEREZ-CABAÑAS, I. .... 546  
PERRY, T. G. .... 653  
PESCATORI, M. .... 823  
PETRAS, R. E. .... 848  
PETRELLI, N. .... 352  
PETRELLI, N. J. .... 427  
PFAFF, W. W. .... 287  
PLASENCIA, G. .... 380  
PLAYFORTH, M. J. .... 90  
POLANSKY, P. J. .... 868  
POLK, H. C., JR. .... 518  
POLLOCK, A. V. .... 90  
POTTS, J. R., III .... 398  
PRAGER, E. D. .... 368  
PYM, J. .... 786
- Q
- QUESADA, E. .... 892
- R
- RABAU, M. Y. .... 401  
RABINOVICI, R. .... 821  
RADCLIFFE, A. G. .... 94  
RAJWANSHI, A. .... 655  
RAMANUJAM, P. S. .... 704  
RAMOS, R. .... 87  
RANBERG, F. A. .... 774  
RAVO, B. .... 119, 868  
REISS, R. .... 176  
REZNICK, R. K. .... 116, 163, 815  
RICHMAN, H. .... 563  
RIMBERT, J.N. .... 54  
RITCHIE, J. K. .... 94  
RIZK, S. L. .... 318  
ROBERTSON, W. G. .... 368  
RODRIGUEZ, R. .... 394  
ROE, A. .... 433  
ROEDIGER, W. E. W. .... 482  
ROMERO, J. .... 682  
ROOS, G. .... 710  
RØRBAEK-MADSEN, M. .... 774  
ROSEMAN, D. L. .... 318  
ROSENSTEIN, R. B. .... 1  
ROSENTHAL, D. .... 970  
ROSS, T. M. .... 730

- ROTHENBERGER, D. A. . . . . 347, 676  
ROUT, W. R. . . . . 287  
RUBIO, C. A. . . . . 939  
RUTEGÅRD, J. . . . . 710
- S
- SACKIER, J. M. . . . . 948  
SADAHIRO, S. . . . . 151  
SADRI, D. . . . . 857  
SAKAI, S. . . . . 900  
SARRE, R. G. . . . . 169  
SATTI, M. B. . . . . 390  
SAWADA, T. . . . . 872  
SCHEIN, M. . . . . 126  
SCHMITT, D. . . . . 624  
SCHOETZ, D. J., Jr. . . . . 533, 671  
SCHULTE, W. . . . . 624  
SCHUSS, A. . . . . 857  
SCOTT, N. A. . . . . 68, 423  
SENUSSI, O. H. . . . . 965  
SHEINER, N. M. . . . . 786  
SHELLITO, P. C. . . . . 409  
SHEMESHI, E. I. . . . . 22  
SHILONI, E. . . . . 100  
SHIROUZI, K. . . . . 617  
SHOKOUH-AMIRI, M. H. . . . . 268, 273  
SINGLETON, B. C. . . . . 686  
SIPPONEN, P. . . . . 864  
SIVAK, M. V. . . . . 107  
SIVONEN, A. . . . . 864  
SKAKUN, G. B. . . . . 163  
SKY-PECK, H. . . . . 318  
SLEZAK, P. . . . . 939  
SMITH, A. D. . . . . 5  
SMITH, A. N. . . . . 111  
SMITH, G. M. R. . . . . 90  
SMITH, K. W. . . . . 163  
SMITH, R. G. . . . . 111
- SMITHY, W. B. . . . . 755  
SMYRK, T. . . . . 372, 439  
SNOOK, C. W. . . . . 216, 222  
SONGHORABODI, S. . . . . 1  
SOPER, N. J. . . . . 186  
SPAANS, F. . . . . 134  
SPENCE, R. K. . . . . 245  
SRIDHAR, K. . . . . 104  
STADLER, J. . . . . 854  
STANICK, D. . . . . 857  
STEINBERG, S. M. . . . . 100  
STENLING, R. . . . . 710  
STERN, H. . . . . 10  
STEWART, W. R. C. . . . . 380  
STIPA, F. . . . . 228  
STOKES, M. A. . . . . 454  
STRICKER, J. W. . . . . 533  
STROM, R. L. . . . . 5  
STULC, J. . . . . 427  
SUÁREZ, J. A. . . . . 474  
SUGARBAKER, P. H. . . . . 100  
SUGIMACHI, K. . . . . 62  
SURRELL, J. A. . . . . 279  
SUZUKI, H. . . . . 716  
SVANE, S. . . . . 774  
SVENBERG, T. . . . . 979
- T
- TALBOTT, T. M. . . . . 83  
TALLADA, M. . . . . 682  
TARTTER, P. I. . . . . 694  
TAYLOR, B. A. . . . . 68, 358  
TAYLOR, B. M. . . . . 686  
TEJLER, G. . . . . 445  
TERASHIMA, H. . . . . 716  
TESTART, J. . . . . 803  
THAYAPARAN, R. . . . . 394  
THAYER, M. L. . . . . 363  
THOMPSON, J. S. . . . . 529  
THOMSEN, H. . . . . 774  
THOMSON, J. P. S. . . . . 613
- THORSON, A. G. . . . . 676  
TIMM, B. . . . . 774  
TJANDRA, J. . . . . 462  
TOCCACELI, S. . . . . 119  
TOFTGAARD, C. . . . . 774  
TORELLI, T. . . . . 707  
TORRES, R. A. . . . . 957  
TOWPIK, E. . . . . 632  
TREAT, M. R. . . . . 430  
TRILLO, C. . . . . 755  
TRUDEL, J. L. . . . . 107  
TSAL, L. C. . . . . 781  
TSUDA, K. . . . . 900  
TSUMURA, O. . . . . 151  
TUDOR, R. G. . . . . 28  
TURANI, H. . . . . 123  
TURNBULL, G. K. . . . . 190
- U
- UDÉN, P. . . . . 886  
ULBAK, S. . . . . 774  
URBANSKI, S. J. . . . . 58  
UTIYAMA, E. M. . . . . 298
- V
- VALTONEN, V. . . . . 864  
VAN DRIEL, M. F. . . . . 553  
VARMA, J. S. . . . . 111  
VASILEVSKY, C. A. . . . . 679  
VAUGHAN, W. P. . . . . 529  
VEIDENHEIMER, M. C. . . . . 533, 671  
VENKATESH, K. S. . . . . 704  
VERSCHUEREN, R. C. J. . . . . 553  
VETTO, J. T. . . . . 100  
VOLOVICS, A. . . . . 33
- W
- WAJZER, A. . . . . 945  
WARGOVICH, M. J. . . . . 72
- WARWICK, M. K. . . . . 279  
WATSON, L. F. . . . . 507  
WATSON, P. . . . . 372, 439  
WEAKLEY, F. L. . . . . 169, 591, 923  
WEILAND, L. H. . . . . 423  
WELLING, D. R. . . . . 303  
WENGEL, B. . . . . 378  
WERBIN, N. . . . . 401  
WEXNER, S. D. . . . . 755  
WHITE, H. . . . . 405  
WIGGERS, T. . . . . 33  
WILANDER, E. . . . . 450  
WILKINSON, S. . . . . 574  
WILLE-JØRGENSEN, P. . . . . 384  
WILLIAMS, J. G. . . . . 313  
WILLIAMS, L. A. . . . . 313  
WINSLETT, M. C. . . . . 597  
WISE, L. . . . . 258  
WIZNITZER, T. . . . . 854  
WOBBES, T. . . . . 778  
WOLFF, B. G. . . . . 68, 303, 358, 587  
WOLLOCH, Y. . . . . 945  
WOOD, C. B. . . . . 948  
WOODS, R. J. . . . . 591
- Y
- YAKUBOVICH, A. . . . . 965  
YAMASHITA, Y. . . . . 617  
YOSHIOKA, K. . . . . 767  
YOSSIPOV, Y. . . . . 401  
YOUNGS, D. J. . . . . 28
- Z
- ZAMA, N. . . . . 923  
ZANOLLA, R. . . . . 707  
ZEDERFELDT, B. . . . . 886  
ZINKIN, L. . . . . 17  
ZIV, Y. . . . . 945  
ZWIER, W. . . . . 553

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of August 12, 1970: Section 3685, Title 39 United States Code) Date of Filing—October 1, 1988, Title of Publication—DISEASES OF THE COLON AND RECTUM; Frequency of Issue—Monthly; Annual Subscription Price—\$80.00; Location of Known Office of Publication—Downsville Pike, Rt. 3, Box 20-B, Hagerstown, MD 21740; Location of Headquarters or General Business Office of the Publisher—East Washington Square, Philadelphia, PA 19105; Publisher—American Society of Colon and Rectal Surgeons, 800 E. Northwest Highway #1080, Palatine, IL 60067; Editor—Robert W. Beart, Jr., M.D., 100 First Avenue Building, Room 333, Rochester, MN 55902; Managing Editor—Theresa Rosen, East Washington Square, Philadelphia, PA 19105; Owner—American Society of Colon and Rectal Surgeons, 800 E. Northwest Highway #1080, Palatine, IL 60067; Known Bondholders, Mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities—none. A. Total no. copies printed (net press run), average 5,217, actual 5,100; B. Paid circulation 1. Sales through dealers and carriers, street vendors and counter sales, average none, actual none; 2. Mail subscriptions, average 4,553, actual 4,560; C. Total paid circulation, average 4,553, actual 4,560; D. Free distribution by mail, carrier or other means. Samples complimentary, and other free copies, average 487, actual 66; E. Total distribution (sum of C and D), average 5,040, actual 4,626; F. Copies not distributed 1. Office use, leftover, unaccounted, spoiled after printing, average 177, actual 474. Returns from news agents, none; G. Total (sum of E & F—should equal net press run shown in A), average 5,217, actual 5,100. I certify that the statements made by me above are correct and complete. Tish Packman, Circulation Manager.



